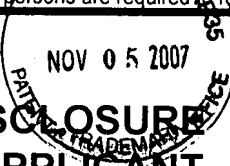


Please type a plus sign (+) inside this box →

Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO					Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number		10/616,899	
			Filing Date		7/9/2003	
			First Named Inventor		Malcolm	
			Group Art Unit		2136	
			Examiner Name		Reza, M.	
Sheet	1	of	7	Attorney Docket Number		217.1008.01

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	1	4,992,940		Dworkin	02-12-1991	
	2	5,335,277		Harvey et al.	08-02-1994	
	3	5,392,244		Jacobson et al.	02-21-1995	
	4	5,410,415		Parulski et al.	04-25-1995	
	5	5,457,791		Matsumoto et al.	10-10-1995	
	6	5,615,352		Jacobson et al.	03-25-1997	
	7	5,724,327		Timmermans et al.	03-03-1998	
	8	5,765,176		Bloomberg	06-09-1998	
	9	5,805,799		Fredrickson et al.	09-08-1998	
	10	5,896,454		Cookson et al.	04-20-1999	
	11	5,946,665		Suzuki et al.	08-31-1999	
	12	5,991,804		Bolosky et al.	11-23-1999	
	13	6,029,195		Herz	02-22-2000	
	14	6,035,373		Iwata	03-07-2000	
	15	6,052,759		Stallmo et al.	04-18-2000	
	16	6,182,069		Niblack et al.	01-30-2001	
	17	6,192,139		Tao	02-20-2001	
	18	6,205,249		Moskowitz	03-20-2001	
	19	6,208,805		Abecassis	03-27-2001	
	20	6,209,092		Linnartz	03-27-2003	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	1	WO	01/37479		Fujitsu Limited	05-25-2001	
	2	WO	02/073378		Bel et al.	09-19-2002	
	3	WO	02/075591		Chevallier et al.	09-26-2002	
	4	WO	2004/006168		Watson et al.	01-15-2004	
	5	WO	2004/006494		Collens et al.	01-15-2004	
	6	WO	2004/006579		Watson et al.	01-15-2004	
	7	WO	2004/062945		Neely et al.	07-29-2004	
	8	WO	2004/064293		Rechsteiner et al.	07-29-2004	
	9	WO	2004/070585		Watson	08-19-2004	
	10	WO	2004/070998		Watson	08-19-2004	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/616,899
				Filing Date	7/9/2003
				First Named Inventor	Malcolm
				Group Art Unit	2136
				Examiner Name	Reza, M.
Sheet	2	of	7	Attorney Docket Number	217.1008.01

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	21	6,243,725		Hempleman et al.	06-05-2001	
	22	6,260,024		Shkedy	07-10-2001	
	23	6,304,942		DeKoning	10-16-2001	
	24	6,349,143		Hastings et al.	02-19-2002	
	25	6,366,910		Rajaraman et al.	04-02-2002	
	26	6,393,158		Gould et al.	05-21-2002	
	27	6,438,235		Sims III	08-20-2002	
	28	6,460,023		Bean et al.	10-01-2002	
	29	6,463,426		Lipson et al.	10-08-2002	
	30	6,463,431		Schmitt	10-08-2002	
	31	6,473,867		Yamamoto et al.	10-29-2002	
	32	6,550,011		Sims III	04-15-2003	
	33	6,618,035		Reza	09-09-2003	
	34	6,625,581		Perkowski	09-23-2003	
	35	6,629,097		Keith	09-30-2003	
	36	6,642,939		Vallone et al.	11-04-2003	
	37	6,658,391		Williams	12-02-2003	
	38	6,701,391		Ayat et al.	03-02-2004	
	39	6,772,340		Peinado et al.	08-03-2004	
	40	6,799,224		Dellaconna	09-28-2004	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	11	WO	2005/009024		Kesteloot et al.	01-27-2005	
	12	WO	2005/079375		Zarnke et al.	09-01-2005	
	13	WO	2005/086985		Malcolm et al.	09-22-2005	
	14	WO	2006/025833		Kesteloot	03-09-2006	
	15	WO	2006/055938		Watson	05-26-2006	
	16	EP	1 199 647		Holt et al.	04-24-2002	
	17	FR	2 750 554		Arnaldo et al.	01-02-98	
	18	FR	2 786 973		Francois et al.	06-09-2000	
	19	JP	2005-533410		Watson et al.	11-04-2005	
	20	JP	2005-533416		Malcolm et al.	11-04-2005	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if

Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if

Please type a plus sign (+) inside this box → ☐

PTO/SB/08A (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
<b>Application Number</b>		10/616,899			
<b>Filing Date</b>		7/9/2003			
<b>First Named Inventor</b>		Malcolm			
<b>Group Art Unit</b>		2136			
<b>Examiner Name</b>		Reza, M.			
<b>Attorney Docket Number</b>		217.1008.01			
<b>Sheet</b>	4	of	7		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	61	7,246,322		Neely et al.	07-17-2007	
	62	7,257,732		Zarnke et al.	08-14-2007	
	63	2001/0039659	A1	Simmons et al.	11-08-2001	
	64	2001/0056398	A1	Scheirer	12-27-2001	
	65	2002/0002679	A1	Murakami et al.	01-03-2002	
	66	2002/0029187	A1	Meehan et al.	03-07-2002	
	67	2002/0054174	A1	Abbott et al.	05-09-2002	
	68	2002/0085713	A1	Feig et al.	07-04-2002	
	69	2002/0116707	A1	Morris et al.	08-22-2002	
	70	2002/0118299	A1	Kahn	08-29-2002	
	71	2002/0138741	A1	Koch	09-26-2002	
	72	2002/0150277	A1	Nishimoto et al.	10-17-2002	
	73	2002/0169789	A1	Kutay et al.	11-14-2002	
	74	2002/0172394	A1	Venkatesan et al.	11-21-2002	
	75	2002/0174021	A1	Chu et al.	11-21-2002	
	76	2002/0178077	A1	Katz et al.	11-28-2002	
	77	2002/0178192	A1	Namioka	11-28-2002	
	78	2002/0196976	A1	Mihcak et al.	12-26-2002	
	79	2003/0009671		Yacobi et al.	01-09-2003	
	80	2003/0012401		Sharma et al.	01-16-2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

<b>Examiner Signature</b>	<b>Date Considered</b>
---------------------------	------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if

Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if considered. Include copy of this form with next communication to applicant.

Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1. Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if

Please type a plus sign (+) inside this box → ☐Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			<b>Application Number</b>	10/616,899	
			<b>Filing Date</b>	7/9/2003	
			<b>First Named Inventor</b>	Malcolm	
			<b>Group Art Unit</b>	2136	
			<b>Examiner Name</b>	Reza, M.	
<b>Sheet</b>	<b>7</b>	<b>of</b>	<b>7</b>	<b>Attorney Docket Number</b>	217.1008.01

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	121	2005/0091452		Chen et al.	04-28-2005	
	122	2005/0125405		Watson	06-09-2005	
	123	2005/0120053		Watson	06-02-2005	
	124	2005/0119977		Raciborski	06-02-2005	
	125	2005/0154892		Mihcak et al.	07-14-2005	
	126	2005/0182989		Zarnke et al.	08-18-2005	
	127	2005/0188280		Ali	08-25-2005	
	128	2005/0201726		Malcolm et al.	09-15-2005	
	129	2006/0004680		Robarts et al.	01-05-2006	
	130	2006/0031260		Minezaki et al.	02-09-2006	
	131	2006/0059098		Major et al.	03-16-2006	
	132	2006/0095300		Schrier et al.	05-04-2006	
	133	2007/0106901		Collens et al.	05-10-2007	
	134	2007/0118812		Kesteloot et al.	05-24-2007	
	135	2007/0240234		Watson	10-11-2007	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

<b>Examiner Signature</b>		<b>Date Considered</b>	
-------------------------------	--	----------------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if

22883

Please type a plus sign (+) inside this box → ☐

Approved for use through 10/31/2002. OMB 0651-0031  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/616,899	
			Filing Date	7/9/2003	
			First Named Inventor	Malcolm	
			Group Art Unit	2136	
			Examiner Name	Reza, M.	
Sheet	1	of	1	Attorney Docket Number	217.1008.01

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	CHU ET AL. "A Secure Multicast Protocol With Copyright Protection." ACM SIGCOMM Computer Comm. Review, 4/2002, entire document, vol. 32, no. 2.	
	2	DITTMAN. "Combining Digital Watermarks and Collusion Secure Fingerprints for Customer Copy Monitoring." Secure Images and Image Authentication, The Institution of Electrical Engineers, 2000, IEE, London.	
	3	FRIDRICH. "Copyright protection of digital images (authentication)." 2/18/2003, <a href="http://www.ws.binghamton.edu/fridrich/Research/tutor2.ppt">http://www.ws.binghamton.edu/fridrich/Research/tutor2.ppt</a> .	
	4	IZQUIERDO. "Using invariant image features for synchronization in spread spectrum image watermarking." EURASIP Journal on Applied Processing, 2002, Hindawi Publishing Corp., entire document. <a href="http://www.hindawi.com/GetPDF.aspx?pii=S1110865702000719">www.hindawi.com/GetPDF.aspx?pii=S1110865702000719</a>	
	5	REY. "A survey of watermarking algorithms for image authentication." EURASIP Journal on applied processing, 2002, Hindawi Publ. Corp., <a href="http://www.hindawi.co.uk/access/get.php?journal=asp&amp;volume=2002&amp;pii=S1110865702204047">www.hindawi.co.uk/access/get.php?journal=asp&amp;volume=2002&amp;pii=S1110865702204047</a>	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.